

**TERMSERIES**  
**RCL424024**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Product image**


TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

**General ordering data**

Type	RCL424024
Order No.	<a href="#">4058570000</a>
Version	TERMSERIES, Relay, No. of contacts: 2 CO contact AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection
GTIN (EAN)	4032248189298
Qty.	20 pc(s).

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**Technical data****Dimensions and weights**

Width	12.7 mm	Width (inches)	0.5 inch
Height	29 mm	Height (inches)	1.142 inch
Depth	15.7 mm	Depth (inches)	0.618 inch
Net weight	12.577 g		

**Temperatures**

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature, max.	70 °C
Operating temperature, min.	-40 °C	Storage temperature, max.	85 °C
Storage temperature, min.	-40 °C	Operating temperature	-40 °C...70 °C
Storage temperature	-40 °C...85 °C		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
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**Rated data UL**

Certificate No. (cURus)	E224238
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**Input**

Rated control voltage	24 V DC	Rated current DC	16.7 mA
Power rating	400 mW	Pull-in/drop-out voltage, typ.	16.8 V / 2.4 V DC
Coil resistance	1440 Ω ± 10 %		

**Output**

Rated switching voltage	250 V AC	Max. switching voltage, AC	400 V
Continuous current	8 A	Inrush current	15 A / 4 s
Switch-on delay	≤ 8 ms	Switch-off delay	≤ 6 ms
Min. switching power	1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V	Max. switching frequency at rated load	0.1 Hz

**Contact data**

Contact type	2 CO contact (AgNi 90/10)	Mechanical service life	30 x 10 <sup>6</sup> switching cycles
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**General data**

Test button	No	Mechanical switch position indicator	No
Colour	Transparent	UL 94 flammability rating	V-2

**Insulation coordination**

Rated voltage	250 V	Surge voltage category	III
Pollution severity	2	Insulating material group	IIIa
Protection degree	IP20	Dielectric strength, Input/Output	5 kV <sub>eff</sub> / 1min
Creepage and clearance distance input – output	≥ 10 mm	Dielectric strength of neighbouring contacts	2.5 kV <sub>eff</sub> / 1 Min.
Dielectric strength of open contact	1 kV <sub>eff</sub> / 1 min		

**Data sheet**

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**Technical data**

**Further details of approvals / standards**

Standards	IEC 61810-1, UL508	Certificate No. (CSA)	249409-2426937
Certificate No. (cURus)	E224238		

**Connection data**

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
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**Classifications**

ETIM 3.0	EC001437	ETIM 4.0	EC001437
ETIM 5.0	EC001437	ETIM 6.0	EC001437
UNSPSC	30-21-19-17	eClass 5.1	27-37-16-01
eClass 6.2	27-37-16-01	eClass 7.1	27-37-16-01
eClass 8.1	27-37-16-01	eClass 9.0	27-37-16-01
eClass 9.1	27-37-16-01		

**Approvals**

Approvals



ROHS Conform

**Downloads**

Brochure/Catalogue	<a href="#">CAT 4.2 ELECTR 18/19 EN</a>
Engineering Data	<a href="#">WSCAD</a>
Engineering Data	<a href="#">STEP</a>

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**Drawings**

**Wiring diagram**



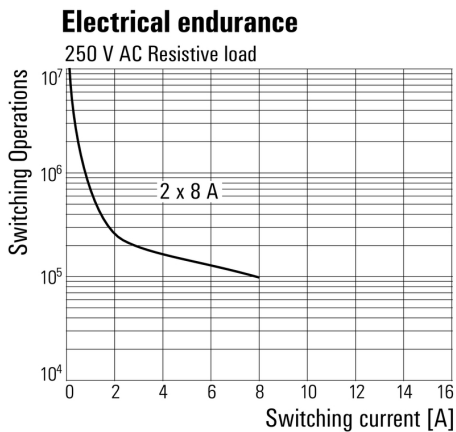
View of Pins from below

**Graph**



DC load limit curve  
Resistive load

**Graph**



Electrical service life  
250 V AC resistive load



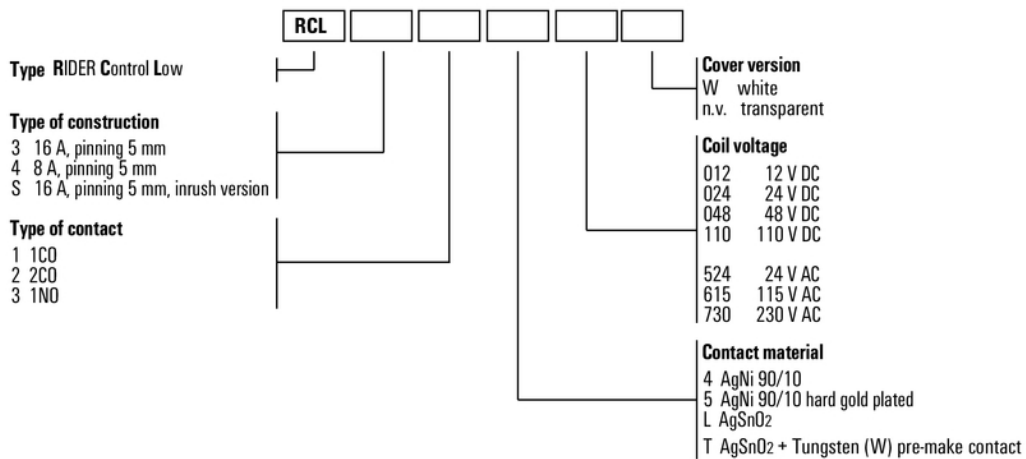
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**Drawings**

**Miscellaneous**



Type codes